

**Table C-16 Total Com Ed Delivered Costs of Electric Power and Energy to Edison Sault (ES) retail customers**  
**Market Value of Power based on Com Ed Rider PPO (MI-A)**  
**(\$/MWH)**

| ES Retail Customer Type<br>Com Ed RCDS Class           | General Service (G-1) |             |            | Large General Service (L-G) |             |              |              |               |             |
|--|-----------------------|-------------|------------|-----------------------------|-------------|--------------|--------------|---------------|-------------|
|  | 0-25 kW               | 25 - 100 kW | 100-400 kW | 400-800 kW                  | 800-1000 kW | 1000-3000 kW | 3000-6000 kW | 6000-10000 kW | > 10,000 kW |
| Power and Energy                                       | \$45.97               | \$47.63     | \$43.82    | \$43.15                     | \$41.59     | \$41.23      | \$39.80      | \$40.62       | \$36.33     |
| Trans. From CE- ES                                     | \$3.20                | \$3.20      | \$3.20     | \$2.16                      | \$2.16      | \$1.62       | \$1.62       | \$1.62        | \$1.62      |
| ES Delivery Costs                                      | \$37.85               | \$37.85     | \$37.85    | \$27.29                     | \$27.29     | \$23.48      | \$23.48      | \$23.48       | \$23.48     |
| Total CE Delivered Cost                                | \$87.02               | \$88.68     | \$84.87    | \$72.60                     | \$71.04     | \$66.33      | \$64.90      | \$65.72       | \$61.43     |
| Corresponding ES Rate                                  | \$69.00               | \$69.00     | \$69.00    | \$57.26                     | \$57.26     | \$53.45      | \$53.45      | \$53.45       | \$53.45     |
| Additional Cost of CE Power                            | \$18.02               | \$19.68     | \$15.87    | \$15.34                     | \$13.78     | \$12.88      | \$11.45      | \$12.27       | \$7.98      |
| % Additional Cost of Power<br>if Com Ed supplied power | 26.1%                 | 28.5%       | 23.0%      | 26.8%                       | 24.1%       | 24.1%        | 21.4%        | 23.0%         | 14.9%       |

Notes:

Power & Energy : LWAMV from Com Ed Rider PPO (MI-A) June 2000 - June 2001 Billing Periods, April 28, 2000

Transmission from CE-ES: Com Ed transmission for firm point to point at \$11,370 per MW - year  
The following load factors were used for transmission:  
Classes 2 through 4: 40%  
Classes 5 through 6: 60%  
Classes 7 through 10: 80%

**Table C-17 Total Com Ed Delivered Costs of Electric Power and Energy to Edison Sault retail customer:  
Value of Power based on Com Ed Marginal Costs  
(\$/MWH)**

| ES Retail Customer Type<br>Com Ed RCDS Class           | General Service (G-1) |             |            | Large General Service (L-G) |             |              |              |               |             |
|--|-----------------------|-------------|------------|-----------------------------|-------------|--------------|--------------|---------------|-------------|
|  | 0-25 kW               | 25 - 100 kW | 100-400 kW | 400-800 kW                  | 800-1000 kW | 1000-3000 kW | 3000-6000 kW | 6000-10000 kW | > 10,000 kW |
| Energy   | \$24.89               | \$24.89     | \$24.89    | \$24.89                     | \$24.89     | \$24.89      | \$24.89      | \$24.89       | \$24.89     |
| Capacity   | \$17.12               | \$17.12     | \$17.12    | \$11.42                     | \$11.42     | \$8.56       | \$8.56       | \$8.56        | \$8.56      |
| Trans. From CE- ES                                     | \$3.64                | \$3.64      | \$3.64     | \$2.56                      | \$2.56      | \$2.02       | \$2.02       | \$2.02        | \$2.02      |
| ES Delivery Costs                                      | \$37.85               | \$37.85     | \$37.85    | \$27.29                     | \$27.29     | \$23.48      | \$23.48      | \$23.48       | \$23.48     |
| Total CE Delivered Cost                                | \$83.50               | \$83.50     | \$83.50    | \$66.16                     | \$66.16     | \$58.95      | \$58.95      | \$58.95       | \$58.95     |
| Corresponding ES Rate                                  | \$69.00               | \$69.00     | \$69.00    | \$57.26                     | \$57.26     | \$53.45      | \$53.45      | \$53.45       | \$53.45     |
| Additional Cost of CE Power                            | \$14.50               | \$14.50     | \$14.50    | \$8.90                      | \$8.90      | \$5.50       | \$5.50       | \$5.50        | \$5.50      |
| % Additional Cost of Power<br>if Com Ed supplied power | 21.0%                 | 21.0%       | 21.0%      | 15.5%                       | 15.5%       | 10.3%        | 10.3%        | 10.3%         | 10.3%       |

Notes:

Power & Energy :

**Energy**

Energy from Com Ed's Average Annual Energy Imbalance Costs (Oct. 99 - Sept. 2000),  
adjusted for Com Ed's retail energy peak period

**Capacity**

Capacity at \$5/kw-mo  
Load factors by class as listed below.

Load Factors

**Load Factors** (used for transmission and capacity cost calculations)

Classes 2 through 4: 40%  
Classes 5 through 6: 60%  
Classes 7 through 10: 80%

Transmission from CE-ES:

Com Ed transmission for firm point to point at \$11,370 per MW - year  
Load factors by class as listed above  
Transmission Losses at 1.6%

Edison Sault Delivery Costs:

Edison Sault Cost of Service Study

**Table C-18 Total IP Delivered Costs of Electric Power and Energy to Edison Sault Retail Customers  
2001 NFF (5x16 On-Peak Hours)  
(\$/MWH)**

| ES Retail Customer Type<br>IP Profile Type                 | General Service (G-1) |         |         |         | Large General Service (L-G) |         |         |         |
|--|-----------------------|---------|---------|---------|-----------------------------|---------|---------|---------|
|  | 201                   | 207     | 401     | 407     | 501                         | 601     | 501     | 601     |
| <b>Power and Energy</b>                                    | \$37.60               | \$38.20 | \$37.04 | \$36.65 | \$35.67                     | \$35.28 | \$34.71 | \$34.33 |
| <b>Trans. From IP- CE</b>                                  | \$2.51                | \$2.51  | \$2.51  | \$2.51  | \$1.67                      | \$1.67  | \$1.25  | \$1.25  |
| <b>Trans. From CE- ES</b>                                  | \$3.80                | \$3.81  | \$3.79  | \$3.79  | \$2.73                      | \$2.72  | \$2.18  | \$2.17  |
| <b>ES Delivery Costs</b>                                   | \$37.85               | \$37.85 | \$37.85 | \$37.85 | \$27.29                     | \$27.29 | \$23.48 | \$23.48 |
| <b>Total IP Delivered Cost</b>                             | \$79.25               | \$79.86 | \$78.68 | \$78.29 | \$65.69                     | \$65.29 | \$60.36 | \$59.98 |
| <b>Corresponding ES Rate</b>                               | \$69.00               | \$69.00 | \$69.00 | \$69.00 | \$57.26                     | \$57.26 | \$53.45 | \$53.45 |
| <b>Additional Cost of IP Power</b>                         | \$10.25               | \$10.86 | \$9.68  | \$9.29  | \$8.43                      | \$8.03  | \$6.91  | \$6.53  |
| <b>% Additional Cost of Power<br/>if IP supplied power</b> | 14.9%                 | 15.7%   | 14.0%   | 13.5%   | 14.7%                       | 14.0%   | 12.9%   | 12.2%   |

Notes:

Power & Energy : Market Value of power NFF 2001 (5x16), Docket 00-0461, ICC Staff Exhibit 3.1, Schedule 15 (Revised)  
The Market Values were adjusted to reflect voltage levels

IP 201 & 207: below 2.4 kV  
IP 401 & 407: 2.4 to 12.47 kV  
IP 501 & 601: 2.4 to 12.47 kV  
IP 501 & 601: 34.5 kV

Market Values include IP transmission losses at 2.05%

Transmission from IP - CE: \$8.788 per MW - year

Transmission from CE-WE: \$11,370 per MW-year  
Transmission Losses at 1.6%

**Table C-19 Total IP Delivered Costs of Electric Power and Energy to Edison Sault Retail Customers**  
**Market Values with IP Monthly Inputs (5x16 On-Peak Hours)**  
**(\$/MWH)**

| ES Retail Customer Type<br>IP Profile Type                 | General Service (G-1) |         |         |         | Large General Service (L-G) |         |         |         |
|--|-----------------------|---------|---------|---------|-----------------------------|---------|---------|---------|
|  | 201                   | 207     | 401     | 407     | 501                         | 601     | 501     | 601     |
| <b>Power and Energy</b>                                    | \$47.00               | \$48.80 | \$47.33 | \$43.90 | \$38.71                     | \$37.43 | \$37.66 | \$36.43 |
| Trans. From IP- CE   | \$2.51                | \$2.51  | \$2.51  | \$2.51  | \$1.67                      | \$1.67  | \$1.25  | \$1.25  |
| Trans. From CE- ES   | \$3.95                | \$3.98  | \$3.96  | \$3.90  | \$2.78                      | \$2.76  | \$2.22  | \$2.20  |
| <b>ES Delivery Costs</b>                                   | \$37.85               | \$37.85 | \$37.85 | \$37.85 | \$27.29                     | \$27.29 | \$23.48 | \$23.48 |
| <b>Total IP Delivered Cost</b>                             | \$88.80               | \$90.63 | \$89.14 | \$85.65 | \$68.78                     | \$67.48 | \$63.37 | \$62.11 |
| <b>Corresponding ES Rate</b>                               | \$69.00               | \$69.00 | \$69.00 | \$69.00 | \$57.26                     | \$57.26 | \$53.45 | \$53.45 |
| <b>Additional Cost of IP Power</b>                         | \$19.80               | \$21.63 | \$20.14 | \$16.65 | \$11.52                     | \$10.22 | \$9.92  | \$8.66  |
| <b>% Additional Cost of Power<br/>if IP supplied power</b> | 28.7%                 | 31.3%   | 29.2%   | 24.1%   | 20.1%                       | 17.9%   | 18.6%   | 16.2%   |

Notes:

Power & Energy : Market Value of power IP Monthly Inputs (5x16), Docket 00-0461, ICC Staff Exhibit 3.1, Schedule 15 (Revised)  
The Market Values were adjusted to reflect the following voltage levels used for each Edison Sault Retail Customer Type

IP 201 & 207: below 2.4 kV  
IP 401 & 407: 2.4 to 12.47 kV  
IP 501 & 601: 2.4 to 12.47 kV  
IP 501 & 601: 34.5 kV

Market Values include IP transmission losses at 2.05%

Transmission from IP - CE: \$8,788 per MW - year

Transmission from CE-WE: \$11,370 per MW-year  
Transmission Losses at 1.6%

Load Factors Transmission costs were calculated assuming the following load factors:

**Table C-20 Total IP Delivered Costs of Electric Power and Energy to Edison Sault Retail Customers**  
**Value of Power based on IP Marginal Costs**  
**(\$/MWH)**

| ES Retail Customer Type<br>IP Profile Type         | General Service (G-1) |         |         |         | Large General Service (L-G) |         |         |         |
|--|-----------------------|---------|---------|---------|-----------------------------|---------|---------|---------|
|  | 201                   | 207     | 401     | 407     | 501                         | 601     | 501     | 601     |
| Energy   | \$18.17               | \$18.17 | \$18.17 | \$18.17 | \$18.17                     | \$18.17 | \$18.17 | \$18.17 |
| Capacity   | \$17.12               | \$17.12 | \$17.12 | \$17.12 | \$11.42                     | \$11.42 | \$8.56  | \$8.56  |
| Trans. From IP- CE                                 | \$2.88                | \$2.88  | \$2.88  | \$2.88  | \$2.04                      | \$2.04  | \$1.62  | \$1.62  |
| Trans. From CE- ES                                 | \$3.49                | \$3.49  | \$3.49  | \$3.49  | \$2.45                      | \$2.45  | \$1.91  | \$1.91  |
| ES Delivery Costs                                  | \$37.85               | \$37.85 | \$37.85 | \$37.85 | \$27.29                     | \$27.29 | \$23.48 | \$23.48 |
| Total IP Delivered Cost                            | \$76.63               | \$76.63 | \$76.63 | \$76.63 | \$59.33                     | \$59.33 | \$52.12 | \$52.12 |
| Corresponding ES Rate                              | \$69.00               | \$69.00 | \$69.00 | \$69.00 | \$57.26                     | \$57.26 | \$53.45 | \$53.45 |
| Additional Cost of IP Power                        | \$7.63                | \$7.63  | \$7.63  | \$7.63  | \$2.07                      | \$2.07  | -\$1.33 | -\$1.33 |
| % Additional Cost of Power<br>if IP supplied power | 11.1%                 | 11.1%   | 11.1%   | 11.1%   | 3.6%                        | 3.6%    | -2.5%   | -2.5%   |

Notes:

Power & Energy :

**Energy**

Energy costs from IP's Rider P, Parallel Generation Service

**Capacity**

Capacity at \$5/kw-mo

Load factors by class as listed below.

Load Factors

**Load Factors** (used for transmission and capacity cost calculations)

IP 201 & 207: 40%

IP 401 & 407: 40%

IP 501 & 601: 60%

IP 501 & 601: 80%

Transmission from IP-CE:

\$8,788 per MW - year

Transmission losses at 2.05%

Transmission from CE-WE:

\$11,370 per MW-year

Transmission Losses at 1.6%

Edison Sault Delivery Costs:

Edison Sault Cost of Service Study